19971013.ba v01_n726.bam.971013

>From ???@??? Tue Oct 14 00:28:45 1997
Message-Id: <199710131545.KAA11811@sco.theporch.com>
Date: Mon, 13 Oct 1997 10:45:26 CDT
Subject: BOATANCHORS digest 1726

BOATANCHORS Digest 1726

Topics covered in this issue include:

  1) Re: Selectosphere ??
     by John Dilks <oldradio@worldnet.att.net>
  2) Plug-In Coils
     by arc5@ix.netcom.com
  3) 6EA8A
     by tom boyd <tdb@reallink.com>
  4) Re: Sorry/High-Voltage Metering Resistors
     by rlahlum@juno.com (Ross J Lahlum)
  5) Re: Homebrew solid state tube replacements
     by rlahlum@juno.com (Ross J Lahlum)
  6) Re: Homebrew solid state tube replacements
     by Az0th <azoth@netcom.com>
  7) Help Needed on R390A
     by Dave Hollander <davidh@getnet.com>
  8) RE: My request for 1619 and 12AU7 tubes
     by "Herbert M. Rosenthal" <herbrose@lobo.net>
  9) Dynamotor needs a home...
     by Jim Lockwood <jmlckwd@mindspring.com>
 10) BA-ing on 80 and 40
     by "Roberta J. Barmore" <rbarmore@indy.net>
 11) National Catacomb Radios
     by hikrbikr@erols.com
 12) Pan American Tropical
     by laffitte@prtc.net (laffitte)
 13) Suspended from list?
     by Stanley Siegel <SIEGELS@turing.law.nyu.edu>
 14) 500 khz filters needed
     by gcr2@po.CWRU.Edu (George C. Rybicki)
 15) FARM RADIOS & WIND-DRIVEN GENERATORS
     by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
 16) RCA DR-16
     by avidov@juno.com (avi aben)
 17) Re: FARM RADIOS & WIND-DRIVEN GENERATORS
     by Bob/WB0AUQ <brainbol@lawrence.ks.us>
 18) AN/GSC TI set, FS cheap
     by Richard Post <post@ouvaxa.cats.ohiou.edu>
 19) Re: Homebrew solid state tube replacements

    by Az0th <azoth@netcom.com>
 20) Fixed Drake 2-A
    by Tom Taylor <ttaylor@Adobe.COM>
 21) Re: FARM RADIOS & WIND-DRIVEN GENERATORS
    by bill@skeeter.frco.com (William Hawkins)
 22) Re: FARM RADIOS & WIND-DRIVEN GENERATORS
    by William Donzelli <william@ans.net>
 23) Re: BA-ing on 80 and 40
    by Ken Gordon <keng@uidaho.edu>
 24) 32 VOLT FARM SYSTEMS
    by aculbert@pps1-po.phyp.uiowa.edu
 25) Dave Kamp email id
    by Brian.Harris@sv.sc.philips.com (Brian Harris)
 26) Re: FARM RADIOS & WIND-DRIVEN GENERATORS
    by Ken Gordon <keng@uidaho.edu>
 27) Re: 32 Volt
    by Kd6b@aol.com
 28) Re: FARM RADIOS & WIND-DRIVEN GENERATORS
    by bdhall@ghg.net (Benjamin D. Hall)
 29) WTD: Hammarlund HC-10
    by RSOLOMON@systems.TEXTRON.COM
 30) Re: Homebrew Solid State Tube Replacements
    by WB6WCW@aol.com
 31) WANTED: mod. xfmr. for Johnson Ranger
    by owens@stout.atd.ucar.edu (Chip Owens)
 32) Re selectosphere
    by philip mccoy <dgnova@erols.com>
 33) Re: 32 Volt
    by Ken Gordon <keng@uidaho.edu>

Date: Mon, 13 Oct 1997 06:12:24 -0400
From: John Dilks <oldradio@worldnet.att.net>
To: gpewitt@execpc.com
Cc: boatanchors@theporch.com
Subject: Re: Selectosphere ??
Message-ID: <3441F408.3EA7@worldnet.att.net>

gpewitt@execpc.com wrote:
>
> I found an interesting receiver that I am thinking about
> building in the February 1938 QST. It is a TRF with a
> regenerative audio. It uses a regular speaker and a
> "Selectosphere" speaker. I believe the selectosphere was
> some kind of noise canceling or signal processing device.
> The footnotes said it was made by the Selectosphere Co.
> Box 3 Newtonville, Mass.

> Has anyone ever heard of such a device? Now here's a good
> one. Anybody have one? Ha Ha Ha.
> I know I can build it without one but it sure would be
> interesting to do it right and see how it sounds.
> 73 Gary
> ------------------------------------

Gary,

   Check back issues of the AWA "Old Timers Bulletin" for an article on your radio and the Selectosphere. I think my friend owns the one from the article. (not for sale)   I know he would be interested to know if any others are out there. If I find the article, I'll let you know which issue.

73, John Dilks, K2TQN

Date: Mon, 13 Oct 1997 06:58:21 -0500 (CDT)
From: arc5@ix.netcom.com
To: boatanchors@sco.theporch.com
Subject: Plug-In Coils
Message-ID: <1997101365659241@>

Will the person who needed the 9-pin plug-in
tank coils please contact me?
73 Dave Stinson AB5S
arc5@ix.netcom.com

Date: Mon, 13 Oct 1997 07:10:06
From: tom boyd <tdb@reallink.com>
To: boatanchors@theporch.com
Subject: 6EA8A
Message-ID: <3.0.2.16.19971013071006.3a0f51c2@reallink.com>

Just curious -- is the 6EA8A prone to internal shorting? 3 of the 4 I have have apparently shorted internally, suppressor to either screen or plate, I assume, resulting in 200 v on the cathode when installed in a HR10B I'm playing with. No way to run a tube...

Tom Boyd

Date: Mon, 13 Oct 1997 07:33:36 -0500
From: rlahlum@juno.com (Ross J Lahlum)
To: jlockj@minn.net
Cc: boatanchors@theporch.com
Subject: Re: Sorry/High-Voltage Metering Resistors
Message-ID: <19971013.073337.12462.0.rlahlum@juno.com>

John,

One way to do this is to series up a few smaller values, such as three
330K, until you get to 1 Megohm. The breakdown ratings then add up, too.

High voltage resistors are available from companies like Caddock, but
they
are pretty expensive.

Lead on,

Ross

On Sat, 11 Oct 1997 15:17:27 -0500 "John Lockhart" <jlockj@minn.net>
writes:
>
>Sorry about extraneous attachment on my previous posting...
>I grabbed address a posting and it's text scrolled off bottom
>before I erased it.
>
>re: High Voltage Metering Resistors
>I need to find some 1 megohm 2 watt resistors that can handle
>1,000 volts across them. Everything I have found are good for
>only 350 volts or so.
>
>Appreciate any leads!
>(no pun intended)
>
>73,
>
>John W0DC
>

Date: Mon, 13 Oct 1997 07:40:32 -0500
From: rlahlum@juno.com (Ross J Lahlum)
To: lknigga@nwohio.com

Cc: boatanchors@theporch.com
Subject: Re: Homebrew solid state tube replacements
Message-ID: <19971013.074033.12462.1.rlahlum@juno.com>

Larry & list,

Haven't tried making SS copies of tubes, but I have been trying to find some 9-pin plugs because I want to fit some octal tubes into 9-pin sockets
& need to make adapters. Anybody have any spare 9-pin plugs or know where
 they can be found?

Thanks & 73,
Ross KB9JJR
rlahlum@juno.com

>Recently,
>I found my collection of 7 and 9 pin plugs...and I'm tempted to give
>it a go
>again.   Has anyone had experience doing this, or is the thought of
>replacing tubes in a boatanchor too distasteful to contemplate?
>
>73's
>
>Larry WB8WSK
>
>lknigga@nwohio.com
>
>

Date: Mon, 13 Oct 1997 08:55:36 -0400 (EDT)
From: Az0th <azoth@netcom.com>
To: rlahlum@juno.com
Cc: boatanchors@theporch.com
Subject: Re: Homebrew solid state tube replacements
Message-ID: <199710131256.FAA07115@netcom6.netcom.com>

Hi Ross,

> Haven't tried making SS copies of tubes, but I have been trying to find
> some 9-pin plugs because I want to fit some octal tubes into 9-pin
> sockets & need to make adapters. Anybody have any spare 9-pin plugs or
> know where they can be found?

Re solid tubes, found an interesting web page detailing a FET conversion of an AA-5. What's most interesting (to me) are the FET equivalents of 12BA6 and 12BE6 bottles, found occasionally in Drakes. The guy even put in LEDs, so they'd sorta glow...

73 de KF4FJH - RF Buchanan

Date: Mon, 13 Oct 97 13:02:30 +0200
From: Dave Hollander <davidh@getnet.com>
To: "Boatanchors" <boatanchors@theporch.com>, <BOATANCHORS@LISTSERV.TEMPE.GOV>
Subject: Help Needed on R390A
Message-ID: <199710131302.GAA18148@getnet.com>

I was recently given a Collins R-390A - yes given (I lost a ton of stuff to my ex-wife last year so this was well deserved). It has both top and bottom covers and both meters which I have come to find out is a big deal!

Having not owned one, I have paid any attention to other messages on the R390A but now have a few questions myself.

After replacing 4 tubes, the unit came to life, however it is dead on several bands - 2, 6, 10 Mhz and intermittant on .1-1 Mhz. After studying the insides, it is not intuitively obvious on how to get at the band switch to clean it with de-ox. I also do not have the manual yet. Being it looks like a mechanical nightmare to me, can anyone explain how to get at the bandswitch? Also do the bands that are dead share a common xtal by any chance?

Also what is this puppy worth? Panel has wear on screw holes where it would mount to a rack. Main tuning knob is missing paint, rest of panel and knobs look pretty clean, about an 8.5 and it does have meters and covers!

Any help is appreciated

73,

Dave Hollander N7RK

****
***

Dave N7RK - Webmaster CADXA
Phoenix, Arizona *DXCC Honor Roll* *WAZ#23 - 75 Meter SSB*

ex-N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK

\\-//
davidh@getnet.com (o!o)
http://www.getnet.com/~davidh

---oo00-(_)-00oo---

E-Mail Address My Home Page

Visit the Central Arizona DX Association Home page ---
http://www.getnet.com/~davidh/cadxa.html

Date: Mon, 13 Oct 1997 07:20:04 -0600
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
To: BoatAnchors <boatanchors@theporch.com>
Subject: RE: My request for 1619 and 12AU7 tubes
Message-ID: <34421FFA.1884@lobo.net>

Thanks to all; several fine responses.
I'm covered.
Herb Rosenthal W5AN

Date: Mon, 13 Oct 1997 09:15:22 -0400
From: Jim Lockwood <jmlckwd@mindspring.com>
To: boatanchors@theporch.com
Subject: Dynamotor needs a home...
Message-ID: <3.0.32.19971013091203.006b6fc0@pop.mindspring.com>

Good morning Gang,

I've found a dynamotor that needs a home. Here is what I know for sure about it:

ID Plate says:

Dynamotor Type DN-2528-1
Input: Volts 27.5 Amps 27.0
Output: Volts 1000 Amps 500 (no decimal, but *has* to be .500)

Collins Part No: 2310068009
Electrolux Corporation

There are three leads, one heavy black,one heavy white, and one small guage red.
All three are approximately the same length (maybe 6") and look to have never been attached to any terminals.

Also, the mounting flanges show *no* evidence that this dynamotor has ever been attached to anything. There are no scuff marks nor are their screw marks.

I won't go so far as to claim that this is an NOS dynamotor, but it sure looks like it is to me. I"ve had it for 30+ years and have never used it in that time. Cosmetically, there is a dent about 1/8" deep and 1 in^2 on one end bell. The black crinkle paint shows shelf wear only. QuickCam .jpg photos are available on request.

What do you have to do to acquire this? Send me something outrageous.

Outrageous? Yep. Send me an outrageous story about why you want it (Rules of Ware (as interpreted by me) apply) -OR- Send me an outrageous sum of money. -OR- Send me something (BA related) that is outrageous. (BTW: no matter what you send, you'll still be on the hook for Real Money to pay for shipping. This little thingy is *heavy*.)

I'll collect outrageous sob stories, outrageous offers, and whatnot until Tuesday evening and then decide who is the lucky(?) new custodian of this archaic thingy.

73,

Jim - K4CCF
(formerly KM6NK, WA4KOO, WN4KOO)

Looking for original QSL cards from K4CCF

Date: Mon, 13 Oct 1997 09:25:07 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: BA <boatanchors@sco.ThePorch.com>
Subject: BA-ing on 80 and 40
Message-ID: <Pine.SUN.3.96.971013091714.2237E-100000@indy1>

Hi!

Not much luck last nix. 3.58mc/s was ng last nite, and 40 was iffy. Worked a VE4 but the QSB got him. (Gotta put up some more garlic for that).

Heard W5FRS (Dennis G.?) on 7060 with a solid "CQ BA" around 0105GMT, called him, but never heard anything else from him, not even another CQ! (Yet another QSB attack? A person should keep a ground stake ready to hand for when it comes prowling!).

Anyhow, wanted to note hearing '5FRS. Sigs were very good, T9X.

Maybe cndx here on 80 will improve after the big front goes through today--it otta be over the Atlantic by tomorrow and then maybe something will emerge from the colorburst hill of noise. (If it hears a long-delayed-echo, we'll have six more weeks of QRN!)

73,
--Bobbi

Date: Mon, 13 Oct 1997 10:50:03 +0100
From: hikrbikr@erols.com
To: lrware@pipeline.com
Cc: Boatanchors <boatanchors@theporch.com>
Subject: National Catacomb Radios
Message-ID: <3441EECB.F21@erols.com>

Larry... You asked for some info on National catacomb radios, viz...

> Model number: ie. NC-100, NC-100A, RAO-X, RCP, RCL, RCQ, etc.
> Built and/or modified by:
> Contract code numbers:
> Contract date:
> S/N
>
> Anything else you would like to tell me about it.....

I have two, an RCF, now much modified from original configuration. Don't think I have the serial number anymore. I may have sent you a copy of a schematic diagram, but if not, I'll be glad to.

The other is a National NC-2-40CS, not shown on your list. The serial number is 195 0505. I don't know anything else about the model's history. But since you appear to have the manual for the very similar NC-2-40C, you probably already know that the CS version's Band F is 200-400 kHz, where the C's Band F is 0.49-1.00 MHz. There is also another important difference not readily apparent except on the

schematic diagrams (the manual I bought from the Manual Man covers both models). The CS has an audio output transformer built in, providing outputs at 8 and 500 ohms, whereas the C requires an external output transformer that was mounted in the matching speaker. This arrangement also put lethal B+ voltage in the speaker cabinet. (Reminds me of an old Zenith that nearly put out my lights when I was a teenager!) This difference in models also required the CS model to have both filter chokes (L1A and L1B) in the same box, while the C had two separate chokes (L1 and L2).

My NC-2-40CS is now completely disassembled, because when I got it the old veteran was dirty, rusty and dilapidated after 20-30 years in a barn. I've spent a lot of effort to salvage the steel chassis that was completely rusted through in one spot and severely pitted in several others, but otherwise sound. I also worked on several of the chassis components with naval jelly and Simple Green to get rid of rust and caked-on dirt. Before all that, I made detailed drawings of the wiring and construction details. It's now my personal Heathkit-like project to rebuild from completely bare chassis up, maybe with a few improvements.

By the way, there is an article on the catacomb technique, "A Moving-Coil Tuning System for the High-Frequency Receiver," by James Millen, W1HRX, in QST for December 1936, page 30. Photo and schematic of a National NC-100 receiver are used as illustrations. My 1972 photocopy is barely readable, but I would be glad to send you a copy of it if you can't get someone to copy his original magazine.

73, Mike Steussy, AE4R
Vienna VA

Date: Mon, 13 Oct 1997 10:55:52 -0300
From: laffitte@prtc.net (laffitte)
To: boatanchors@theporch.com
Subject: Pan American Tropical
Message-ID: <34422868.707E@prtc.net>

Hi Gang!

The electronic restoration of the Pan American is now complete. It mainly involved replacement of all tubular paper caps and about 10 micas. Micas were replaced in the Ant,RF and OSC as well as the IF cans. Leakage was enough to show on the multimeter at the high Ohms range. The audio output transformer which originally was thought to be bad was ok and is working quite well. Alignment was very straight forward with instructions written inside the cabinet. My impressions? With the

telescopic whip the radio is sensitive enough to do well on all bands. On the SW bands it can pick up most of the strong and even some of the not so strong stations. Selectivity is good enough for the purpose of tuning international SW. The audio is excellent and the tone control works well. An external antenna produces some improvement but is not needed. I have placed the 7 replacement tubes in their sockets including an old 6E5. Makes it look more original. When you open up the set you are impressed by 14 tubes of which only 7 are in the circuit. This set was built in 1945 and definitely it was for entertainment purposes with spares easy at hand for quick repairs. It is a ruggedly built AM/SW set and a nice addition to my BA collection. Now comes the cleanup part but it wont be much since both chassis and cabinet are in good shape. Now the third PAT of the 3 reported in existence is alive and well.

TNX and Best 73s
Guido KP4FAR

Date: Mon, 13 Oct 1997 11:01:22 -0500
From: Stanley Siegel <SIEGELS@turing.law.nyu.edu>
To: boatanchors@sco.theporch.com
Subject: Suspended from list?
Message-ID: <s441ff93.005@turing.law.nyu.edu>

I have -- unceremoniously -- been suspended from the list and cannot find my way back on. Can someone help?

Stan, W2ST

siegels@turing.law.nyu.edu

Date: Mon, 13 Oct 1997 11:04:39 -0400 (EDT)
From: gcr2@po.CWRU.Edu (George C. Rybicki)
To: boatanchors@sco.theporch.com
Subject: 500 khz filters needed
Message-ID: <199710131504.LAA18335@piglet.INS.CWRU.Edu>

I picked up a good looking R388 this weekend, somone "converted it" part way to a r388A with a single 2 khz bandwith 500 khz Collins mechanical filter. Works fine but its a little narrow for AM. Before I buy something from Fair does anyone have a 4, 6 or 8khz bw 500 hz filter they would sell. Or maybe a junker R388 they could spare a T101 t102 and y112 assembly from. Thanks George

---

Date: Mon, 13 Oct 1997 12:06:54 -0400 (EDT)
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
To: boatanchors@theporch.com
Subject: FARM RADIOS & WIND-DRIVEN GENERATORS
Message-ID: <9710131206.aa01788@pcusa01.ecunet.org>

The farm radios around here were set up for 32 VDC! That's kind of a wierd voltage. Had to do with wind-driven electrical generators that c harged banks of batteries I think.

The farm radios I've seen use 2 vibrators, don't know why. There's lots of extra shielding in these radios to suppress vibrator hash.

The power xfrmrs in these radios tend to be smallish, maybe the vibrators run at higher than 60 Hz (120 Hz?) & so need less iron(?)

 -John Sehring (Fri, Oct 10, 1997 10:01 am MT @Baker, Montana) UCC WB2EQG

Date: Mon, 13 Oct 1997 12:40:31 -0400
From: avidov@juno.com (avi aben)
To: boatanchors@theporch.com
Subject: RCA DR-16
Message-ID: <19971013.124049.3254.0.avidov@juno.com>

WTB Manual and Parts List for a Dual-Diversity RCA,DR-16 Receiver or find anyone who is using this set,in USA or overseas.   73

Date: Mon, 13 Oct 1997 11:58:25 -0500
From: Bob/WB0AUQ <brainbol@lawrence.ks.us>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: FARM RADIOS & WIND-DRIVEN GENERATORS
Message-ID: <34425331.7159@lawrence.ks.us>

John Sehring wrote:

>The farm radios around here were set up for 32 VDC! That's kind of a >wierd voltage. Had to do with wind-driven electrical generators that >charged banks of batteries I think.

I remember seeing some 32VDC Delco gas engine generator/electrical systems back on the farms in northeastern AR. Don't recall any wind generators.

--
73,

Bob/WB0AUQ FISTS #1905
email: brainbol@lawrence.ks.us

Date: Mon, 13 Oct 1997 13:07:21 -0400
From: Richard Post <post@ouvaxa.cats.ohiou.edu>
To: boatanchors@theporch.com
Subject: AN/GSC TI set, FS cheap
Message-ID: <v03007801b067fe0191b4@[132.235.51.126]>

This thing is a military code practice oscillator complete with speaker. It works. It's about 16 inches wide, 8 deep and 9 tall. Will blend in nicely with your collection of BC-348's. Aluminum case could use a coat of black spray paint but panel should clean up nice. Schematic inside. Runs off 115 or 230 VAC, or 6, 12, 24, or 115 VDC. Has the requisite 6 and 115 volt vibrators. Has controls for volume and frequency. The neon lamp bulb for the visual indicator is not there.
No modifications or extra holes near as I can tell. Headphone(s) and key(s) on your own.

This was going to my organ donor program but given the condition, I figured somebody on this list probably needs it more than I do.

Will seriously consider ridiculous offers. The first person attracted strongly enough to this thing to pay the upper limit on offers which is $25 will be the new owner. Shipping is extra.
(Maybe I should put this on EBAY!)

73 de Rich KB8TAD

Boatanchpor Pix website
http://ouvaxa.cats.ohiou.edu/~post/PIX/BA.html
mirror site
http://www.qsl.net/kb8tad/

visit the Museum of Radio and Technology website
http://www.library.ohiou.edu/MuseumR&T/museum.htm

Date: Mon, 13 Oct 1997 13:31:44 -0400 (EDT)
From: Az0th <azoth@netcom.com>
To: KA9EGW@aol.com
Cc: boatanchors@theporch.com (Boatanchors List)
Subject: Re: Homebrew solid state tube replacements
Message-ID: <199710131732.KAA24748@netcom6.netcom.com>

Hiyall,

I suppose I really should have revealed the location of the heretical
tube replacer. Try:

    http://www.ns.net/~rtwod2/tubemod.htm

de RF B

Date: Mon, 13 Oct 1997 10:44:15 -0700
From: Tom Taylor <ttaylor@Adobe.COM>
To: boatanchors@theporch.com
Subject: Fixed Drake 2-A
Message-ID: <v03007800b0680aa153f9@[144.7.25.26]>

A few weeks ago I asked for help fixing a Drake 2-A. The radio's crystal oscillator wouldn't oscillate on 20, 15, or 10 meters. I have another 2-A that works. Completely swapping the tubes between the two radios had no effect. The bad radio was still bad and the good radio was still good. I tried swapping the crystals. All the crystals from the bad radio except for the 10/15 meter crystal worked in the good radio. The B+ in the bad radio was low. I replaced about five or six resistors that were out of spec and solved the B+ problem. Still the oscillator wouldn't oscillate on 10, 15, or 20. I examined, measured, and tested just about every component in the oscillator section. Still I couldn't get the radio to oscillate. One person suggested injecting the appropriate signal with a signal generator into the circuit. When I tried that, the radio worked great on all bands. In fact, the experiment was kind of neat. Using the signal generator and the crystal chart in the 2-B manual, I could generate any frequency and turn the 2-B into a general coverage receiver without two handfuls of crystals. But alas, the radio still would not oscillate. Several list members suggested replacing the 6U8 oscillator tube with a 6EA8. I was reluctant to try this because the good radio worked using either radio's 6U8 tube. Desparate, I tried the 6EA8 replacement. As I tweaked the 20 and 15 meter crystal oscillator coil adjustments, the radio came to life. Furthermore, the 10/15 meter crystal that didn't even work in the good radio, now worked in the bad radio.

The bottom line: the 6EA8 makes a better replacement for a 6U8 in the Drake 2-A

Tom Taylor
ttaylor@adobe.com

Date: Mon, 13 Oct 1997 12:50:06 -0500
From: bill@skeeter.frco.com (William Hawkins)
To: boatanchors@theporch.com, brainbol@lawrence.ks.us
Subject: Re: FARM RADIOS & WIND-DRIVEN GENERATORS
Message-ID: <9710131750.AA14128@skeeter.bvc.frco.com>

John Sehring writes about 32 VDC farm radios and wind generators,
Bob/WB0AUQ says he's seen gas generators for 32 VDC, so I'll throw
in an anecdote. My grandfather bought a motor yacht in 1930 (yes,
he got it at fraction of the 1929 value. Named it the "Whim"). It
had a 32 VDC electric and lighting system. By the time I saw it, he
was using 6 6 volt car batteries with a screw into the connector
between two cells to get 32 volts for lights. Used the full 36 for
starting. Gone now.

This leads me to believe that 32 volts became a standard when
rechargeable batteries came in 2 volt glass cells, before car
batteries were common enough to have an influence on power
supplies.

Regards,
Bill Hawkins bill@skeeter.frco.com

Date: Mon, 13 Oct 1997 13:57:09 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: FARM RADIOS & WIND-DRIVEN GENERATORS
Message-ID: <Pine.GSO.3.96.971013135513.2748M-100000@titan.purch.ans.net>

> John Sehring writes about 32 VDC farm radios and wind generators,
> Bob/WB0AUQ says he's seen gas generators for 32 VDC, so I'll throw
> in an anecdote. My grandfather bought a motor yacht in 1930 (yes,
> he got it at fraction of the 1929 value. Named it the "Whim"). It
> had a 32 VDC electric and lighting system.

Some (not much) Navy stuff, like motor-generators, is made for 32 VDC

systems - I think some of the RMCA gear (TCP maybe) falls into this
catagory. Apparently it was a standard for small vessles.

William Donzelli
william@ans.net

Date: Mon, 13 Oct 1997 11:52:18 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: "Roberta J. Barmore" <rbarmore@indy.net>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BA-ing on 80 and 40
Message-ID: <Pine.BSF.3.95.971013114543.8061A-100000@piobaire.mines.uidaho.edu>

> Hi!
>
>   Not much luck last nix.

Me either. 40 went COMPLETELY dead about 0330. All I could hear were two
novice stations above 7100 and ONE (count it, ONE) BC station.

> (Yet another QSB attack? A person should keep a ground stake ready to
> hand for when it comes prowling!).

Yes.

I DID work W7VPK on 3530 about 0430. He started out at about 549, and QSB
took him up to almost S-7 then down in the mud for about 1/2 hour, finally
finishing up at about S-8. He was running 35 watts. He gave me a 589 to
599 for my HW-16.

Didn't hear one single other signal on the band.

I think I MAY have found the source of my intermittant noise, thanks to a
hint from one of the denizens of the list: possibly the street light
across the street from my house. Makes sense: noise comes on about dusk,
goes off about day-break.

Ken W7EKB

Date: Mon, 13 Oct 97 13:39 CST
From: aculbert@pps1-po.phyp.uiowa.edu

To: boatanchors@theporch.com
Subject: 32 VOLT FARM SYSTEMS
Message-ID: <199710131848.NAA12789@cc-gate.uiowa.edu>

Under the name of Winpower, a large number of wind driven electrical systems were sold in the midwest in the pre REA (Rural Electrification Administration) days. While too young to remember details, I remember riding with my grandfather who was an electrical contractor in the 30's and 40's, to visit farm electrification jobs. Some of which involved replacement of these wind driven generating systems.

I do remember little sheds with a bank of batteries. And as I recall, 32 volt (DC of course) was the norm.

In the 60's, I worked with a man who had one of these systems and used it to power a resistance heating system for his garage!

Al, K0AL

Date: Mon, 13 Oct 1997 13:42:22 -0700
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
To: boatanchors@theporch.com
Subject: Dave Kamp email id
Message-ID: <0004B11E.1914@svlima.sv.sc.philips.com>

I need Dave Kamp's (KC0AHZ) email id.

Brian Harris WA5UEK

Date: Mon, 13 Oct 1997 12:00:47 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: Bob/WB0AUQ <brainbol@lawrence.ks.us>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: FARM RADIOS & WIND-DRIVEN GENERATORS
Message-ID: <Pine.BSF.3.95.971013115814.8061B-100000@piobaire.mines.uidaho.edu>

> I remember seeing some 32VDC Delco gas engine generator/electrical
> systems back on the farms in northeastern AR. Don't recall any
> wind generators.

Almost ALL of the wind generators used in the west here were 32 vdc units.

There were two popular manufacturers of them. One was a really reliable, well designed unit with a three-bladed prop on it. Jacobs I think.

His units were even used by Admiral Byrd in the Antarctic, and one was still operating there when it was examined in the '50s.

If you want a REAL BA, get one of those. :-)

Ken W7EKB

Date: Mon, 13 Oct 1997 15:24:27 -0400 (EDT)
From: Kd6b@aol.com
To: boatanchors@theporch.com
Subject: Re: 32 Volt
Message-ID: <971013152108_-159949671@emout02.mail.aol.com>

Few of the 32 Volt light plants survived. The REA required (at least in Kansas) that the farmers smash-up the light plants so they could not be used in competition with REA's AC. I dug through his junk pile one afternoon just to see if there was anything left of the old Kohler ... nope. My wife's family did not get REA until after 1950! Her dad had a 32 Volt shaver and the washing machine a 32 Volt motor, lights bulbs radios etc etc. The house was wired with #8 wire in the knob & tube fashion but was wired to be AC ready. It is a small wonder it didn't burn down from an electrical fire.
Ken

Date: Mon, 13 Oct 1997 14:47:25 -0500
From: bdhall@ghg.net (Benjamin D. Hall)
To: JOHN_SEHRING.parti@ecunet.org
Cc: boatanchors@theporch.com
Subject: Re: FARM RADIOS & WIND-DRIVEN GENERATORS
Message-ID: <3.0.32.19971013144424.006ab758@mailman.ghgcorp.com>

At 12:06 PM 10/13/97 -0400, you wrote:
>The farm radios around here were set up for 32 VDC! That's kind of a wierd
>voltage. Had to do with wind-driven electrical generators that c harged
>banks of batteries I think.

Hi John - another data point for you regarding 32 VDC. 32 VDC was a common voltage used in engine driven light plants (generators) of the of the same era. These plants charged banks of batteries that were 32 VDC, so it makes

sense that radios were also made to run off the same voltage. I saw one of these units in operation at the Temple Texas engine show - it started and stopped automatically depending on the power demanded by it... In many ways, way more advanced than the gen sets you buy at Home Depot...

Later and 73,
Ben

Date: Mon, 13 Oct 1997 16:13:00 -0400
From: RSOLOMON@systems.TEXTRON.COM
To: "   -   (052)boatanchors(a)sco.theporch.com"
<boatanchors@sco.theporch.com>
Subject: WTD: Hammarlund HC-10
Message-ID: <00341000012375040000002L042*@MHS>

     One of the list-members suggested I look into getting an
     HC-10 SSB Converter to use with my SP-600-JX17, so here I
     am.
     Anyone have one they want to part with, idea's on price I
     would expect to pay, shortcomings, etc.
     The radio really sounds great, so it takes over as #1 BA
     RCVR in this shack.

        Tnx. 73, Dick, W1KSZ

Date: Mon, 13 Oct 1997 16:20:30 -0400 (EDT)
From: WB6WCW@aol.com
To: boatanchors@theporch.com
Subject: Re: Homebrew Solid State Tube Replacements
Message-ID: <971013161955_240156738@emout18.mail.aol.com>

Larry:

The only article I have seen is "Solid-Tubes-A New Life For Old Designs" in the April 1977 QST, pages 45-50. The article is by Howard Sartori, who also manufactured Drake Tubesters years ago,and covers replacing tubes in the T-4X series.

The main hardship now, would be finding a supply of 300 volt N-Channel FETS, either 2N6449 or A5T6449 (Texas Instruments).

If you want/need a copy of the article, just send me an E-Mail.

73's and Good Luck,

Bill WB6WCW@aol.com
Goleta, California

Date: Mon, 13 Oct 1997 14:24:09 -0600 (MDT)
From: owens@stout.atd.ucar.edu (Chip Owens)
To: boatanchors@theporch.com
Subject: WANTED: mod. xfmr. for Johnson Ranger
Message-ID: <199710132024.OAA18178@atd.atd.ucar.EDU>

Hi Gang,
     I'm looking for a replacement for a burned out
modulation transformer for a Ranger. If you have one
in good working condition please reply to:

Art Winterbauer WA5OES art@comet.ucar.edu

Thanks!

Date: Fri, 11 Jan 80 22:12:47 -0800
From: philip mccoy <dgnova@erols.com>
To: boatanchors@sco.theporch.com
Subject: Re selectosphere
Message-ID: <199710132058.QAA24494@smtp1.erols.com>

There was an aritcle in I believe the old timers magazine, that describes
the selectosphere. I believe the selectivity was due to a mechanical resonator.

Philip McCoy dgnova@erols.com

Date: Mon, 13 Oct 1997 13:58:46 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: Kd6b@aol.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 32 Volt
Message-ID: <Pine.BSF.3.95.971013133559.9685A-100000@piobaire.mines.uidaho.edu>

> the washing machine a 32 Volt motor, lights bulbs radios etc etc. The house
> was wired with #8 wire in the knob & tube fashion but was wired to be AC
> ready. It is a small wonder it didn't burn down from an electrical fire.

Knob-and-tube wiring, if properly installed, is the safest wiring there is. Every wire is encased in ceramic when passing through a joist. The two wires themselves are spaced far apart, and only pass near one another when they enter or leave a box. The knobs keep the wire at least 1" away from anything else.

In point of fact, the wire could turn red-hot and never start a fire.

Of course, proper fusing should be installed too.

Ken W7EKB

End of BOATANCHORS Digest 1726
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